

F5050SLG (AN/PVS-23 TYPE) GENERATION 3 PINNACLE® DUAL TUBE NIGHT VISION BINOCULAR

ITT Exelis (formerly ITT Night Vision), the world's leading producer of Generation 3 image intensification devices, offers the F5050SLG binocular night vision device for both ground-based and sea-based applications. The F5050SLG (based on the AN/PVS-23 military binocular) is a rugged binocular designed to furnish increased depth perception for activities such as off-road driving and high-speed navigation at sea.

The F5050SLG has aviation standard optics. Performance is outstanding because each eye receives a unique image giving greater clarity than can be obtained from single-tube devices. The F5050SLG includes a powerful IR illuminator with wide or narrow beam capability. It can be hand-held, head-mounted. When helmet mounted, the F5050SLG is powered by a rear-mounted battery pack that contains two pairs of AA batteries for extended operational endurance.



PART #: ITTM-269462-15

Features and Benefits:

- ITT Exelis PINNACLE® Image Intensifier Tube - Thin- Filmed/Auto-Gated
- High resolution 64 lp/mm (Min), high gain, and high photo response in visible and near infrared
- Binocular vision for greater depth perception
- Mounts available for most types of helmets
- Integral battery for hand-held or head-mounted use
- Adjustable (spot/flood) IR illumination
- Independent eye-span adjustment
- Binocular detaches easily from mount
- Rugged construction

Standard Accessories (Included):

- **Objective Lens Covers** - Protect the objective lenses when the system is not in use and provides a means for daylight training
- **Eye Cups (2)** - Prevents the emission of stray light or facial reflections
- **Demist Shields (2)** - Snap onto the eyepieces to prevent condensation on the optics
- **Carrying Case** - Provides convenient storage
- **Sacrificial Windows (2)** - Shield the objective lenses from airborne sand, dust, or any other particles that may scratch the lenses
- **Lens Paper** - Used to lightly clean the objective and eyepiece glass surfaces
- **Retainer Cord** - Filters excessive light. Protects objective lens from the elements
- **Operator's Manual** - Instructional users guide

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This data sheet is approved for unlimited release. Specifications subject to change without notice.

SPECIFICATIONS: F5050SLG (AN/PVS-23 TYPE) NIGHT VISION BINOCULAR

Intensifier Tube	Generation	3 U.S. (ITT Exelis PINNACLE®)
	Resolution	64 lp/mm (Typ)
	Film	Thin-Filmed
	Gate	Auto-gated
Optics	Magnification	1x (Unity)
	Objective Lens EFL:	27mm F/1.23, T/1.35
	Field of View	40°, +1° / -2°
	Interpupillary Adj:	52 to 72mm - knobs
	Tilt Adjustment:	10° (Min)
	Fore-and-Aft:	25mm range
	Eyepiece Lens EFL	27mm
	Diopter Adjustment	+2 to -6 diopters
Range of Focus	41cm (16 in) to infinity ∞	
Power	Power Source	One (1) 1.5 AA size battery
		Two (2) 1.5 AA external battery pack
Environmental Characteristics	Operating Temperature	32°C to +52°C
Physical Characteristics	Weight:	
	w/batteries	23 oz (650 grams)
	Flip-Up / Flip-Down	Button release for up and down motion
Warranty	System	One (1) year

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